

Table 28
Building 18 Indoor Air Sample Results - January 2017

Parameter	May 2016 USEPA Industrial Indoor Air Screening Level	B18IA-1 1/21/2017	B18IA-1 DUP 1/21/2017	B18IA-2 1/21/2017	B18IA-3 1/21/2017	B18IA-4 1/21/2017	B18IA-5 1/29/2017	B1830AA 1/21/2017
TO-15 Compounds (ug/m³)								
1,1,1-Trichloroethane	22000	<0.98	<0.92	<0.95	<0.86	<0.77	<0.89	<0.89
1,1,2,2-Tetrachloroethane	0.21	<1.2	<1.2	<1.2	<1.1	<0.97	<1.1	<1.1
1,1,2-Trichloroethane	0.77	<0.98	<0.92	<0.95	<0.86	<0.77	<0.89	<0.89
1,1-Dichloroethane	7.7	<0.72	<0.68	<0.71	<0.64	<0.57	<0.66	<0.66
1,1-Dichloroethylene	880	<0.71	<0.67	<0.69	<0.63	<0.56	<0.65	<0.65
1,2,4-Trichlorobenzene	8.8	<6.6	<6.2	<6.5	<5.9	<5.2	<6.1	<6.1
1,2,4-Trimethylbenzene	31	0.55 J	0.59 J	0.33 J	<0.78	<0.69	0.76 J	0.55 J
1,2-Dibromoethane	0.02	<1.4	<1.3	<1.3	<1.2	<1.1	<1.3	<1.3
1,2-Dichlorobenzene	880	<1.1	<1	<1	<0.95	<0.85	<0.99	<0.99
1,2-Dichloroethane	0.47	6.2 J	7.4 J	4.5 J	0.35 J	2.7	2.6	<0.66 J
1,2-Dichloropropane	1.2	<0.83	<0.78	<0.81	<0.73	<0.65	<0.76	<0.76
1,2-Dichlorotetrafluoroethylene	---	<1.2	<1.2	<1.2	<1.1	<0.98	<1.1	<1.1
1,3,5-Trimethylbenzene	---	<0.88	0.21 J	<0.86	<0.78	0.21 J	0.25 J	0.32 J
1,3-Butadiene	0.41	<0.4	<0.37	<0.39	<0.35	<0.31	<0.36	<0.36
1,3-Dichlorobenzene	---	<1.1	<1	<1	<0.95	<0.85	<0.99	<0.99
1,4-Dichlorobenzene	1.1	0.27 J	0.27 J	0.26 J	<0.95	<0.85	<0.99	0.2 J
1,4-Dioxane	2.5	<0.64	<0.6	<0.63	<0.57	0.22 J	0.38 J	<0.59
2,2,4-Trimethylpentane	---	<4.2	<3.9	<4.1	<3.7	0.51 J	<3.8	<3.8
2-Butanone (MEK)	22000	6.8	5	6.2	3.4	8.1	4.6	3
2-Hexanone	130	0.9 J	0.62 J	1.7 J	<3.2	1.1 J	0.61 J	0.8 J
4-Ethyltoluene	---	0.46 J	0.5 J	0.26 J	<0.78	<0.69	0.55 J	0.6 J
Acetone	140000	380 J	390 J	660 J	22	59	33	22
Allyl Chloride	2	<2.8	<2.6	<2.7	<2.5	<2.2	<2.6	<2.6
Benzene	1.6	0.62	0.74	0.55 J	0.51	0.56	0.62	0.6
Benzyl Chloride	0.25	<0.93	<0.87	<0.9	<0.82	<0.73	<0.85	<0.85
Bromodichloromethane	0.33	<1.2	<1.1	<1.2	<1	<0.94	<1.1	<1.1
Bromoform	11	<1.8	<1.7	<1.8	<1.6	<1.4	<1.7	<1.7
Carbon Disulfide	3100	0.29 J	0.38 J	0.37 J	<2.5	<2.2	<2.6	2.9
Carbon Tetrachloride	2	0.49 J	0.5 J	0.47 J	0.46 J	0.58 J	0.48 J	1.1 J
Chlorobenzene	220	<0.82	<0.77	<0.8	<0.73	<0.65	<0.76	<0.76
Chloroethane	44000	<2.4	<2.2	<2.3	<2.1	<1.9	<2.2	<2.2
Chloroform	0.53	0.32 J	0.34 J	0.35 J	0.17 J	0.36 J	0.22 J	<0.8
Chloromethane	390	2.3	2.6	2.5	1.9	2.1	1.1 J	2.4
cis-1,2-Dichloroethylene	---	<0.71	<0.67	<0.69	<0.63	<0.56	<0.65	<0.65
cis-1,3-Dichloropropene	---	<0.81	<0.76	<0.79	<0.72	<0.64	<0.74	<0.74
Cyclohexane	26000	0.2 J	0.3 J	0.22 J	0.22 J	0.58	0.26 J	<0.56
Dibromochloromethane	---	<1.5	<1.4	<1.5	<1.3	<1.2	<1.4	<1.4
Dichlorodifluoromethane	440	2.8	3	2.8	2.4	2	1.9	2.9
Ethanol	---	120	130	77	22 J	140 J	38	3.6
Ethylbenzene	4.9	1	1.1	0.6 J	0.43 J	1.3	1.6	0.22 J
Freon 113	130000	0.5 J	0.53 J	0.55 J	0.58 J	0.4 J	0.37 J	0.67 J
Heptane	---	0.45 J	0.52 J	0.47 J	<0.65	0.77	0.76	0.63 J
Hexachlorobutadiene	0.56	<9.5	<9	<9.3	<8.4	<7.5	<8.7	<8.7
Isopropyl Alcohol	880	7.8	10	10	4.7	18	9.1	4.9
Isopropylbenzene	1800	<0.88	<0.82	<0.86	<0.78	<0.69	0.26 J	<0.81
Methanol	88000	<120	<110	<110	<100	<92	110	<110
Methyl Bromide	22	<3.5	<3.3	<3.4	<3.1	<2.7	<3.2	<3.2
Methyl Isobutyl Ketone (MIBK)	13000	1.3 J	1.2 J	0.62 J	0.36 J	1	0.84	0.3 J
Methyl Tert Butyl Ether	47	<0.64	<0.6	<0.63	<0.57	<0.51	<0.59	<0.59
Methylene Chloride	1200	0.89 J	0.96 J	1.1 J	0.27 J	0.51 J	0.49 J	0.6 J
Naphthalene (TO-15)	0.36	0.17 J	0.13 J	0.2 J	<4.1	<3.7	0.74 J	2.7 J
Naphthalene (TO-17)	0.36	0.2	0.18	0.32	0.096	0.17	0.17	0.08

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<i>TO-15 Compounds (ug/m³)</i>								
n-Heptane	---	0.45 J	0.52 J	0.47 J	<0.65	0.77	0.76	0.63 J
n-Hexane	3100	0.45 J	0.55 J	0.44 J	0.67	1.1	0.62	0.55 J
n-Propylbenzene	4400	<0.88	<0.82	<0.86	<0.78	0.2 J	0.15 J	<0.81
Styrene	4400	0.4 J	0.37 J	0.31 J	0.21 J	0.61	0.43 J	0.16 J
Tetrachloroethylene	47	<1.2	<1.1	<1.2	<1.1	<0.96	<1.1	<1.1
Tetrahydrofuran	8800	<2.6	<2.5	<2.6	<2.3	<2.1	1.2 J	<2.4
Toluene	22000	9.6	12	10	3	20	17	1.6
trans-1,2-Dichloroethylene	---	<0.71	<0.67	<0.69	<0.63	<0.56	<0.65	<0.65
trans-1,3-Dichloropropene	---	<0.81	<0.76	<0.79	<0.72	<0.64	<0.74	<0.74
Trichloroethylene	3	2.8	2.8	2.6	0.48 J	2.4	2.1	<0.88
Trichlorofluoromethane	---	16	17	24	3.2	11	17	2.2
Vinyl Chloride	2.8	<0.46	<0.43	<0.45	<0.4	0.28 J	<0.42	<0.42
Xylene (total)	440	3.4	3.5	2.4 J	1.6 J	7.1	7.1	0.86 J
<i>Methane (%)</i>								
Methane	0.5	0.0002	0.00021	0.00018	0.00022	0.00021	0.00027	0.00018

Notes:

Detected results are shown in bold. Values which exceed the screening level are highlighted yellow.

--- The USEPA has not developed a vapor intrusion screening level for this parameter.

J: Indicates an estimated value.